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On motion the report was accepted and an appropriation of one hundred dollars (\$100) was made to meet the expenses indicated therein.

On motion of Dr. Rushenberger it was

*Resolved*, That the Curators be requested to inquire into the expediency of depositing the collection of implements illustrative of the Stone Age, bequeathed to the A. P. Society by the late Mr. Franklin Peale, in care of the Academy of Natural Sciences of Philadelphia.

And the meeting was adjourned.

*Stated Meeting, October 5th, 1877.*

Present, 12 members.

Vice-President, Mr. FRALEY, in the Chair.

Letters of acknowledgment were received from the Teyler Museum at Harlem (96, 98, 99); and the Glasgow Phil. Society (99).

Letters of envoy were received from the Depart. of Interior, Washington, September 27; and the Museum at Mexico, August 18, 1877.

Donations for the Library were received from the Society at Ulm; the Academy at Brussels; the *Révue Politique*; British Association; Geological Society, Meteorological Society, and London Nature; from the Essex Institute; Boston S. N. H.; Silliman and Dana; Cornell University; Franklin Institute; College of Pharmacy; Dep. Interior and Signal Service Office; and the Museum and Observatory in Mexico.

The death of M. U. J. J. LeVerrier, at Paris, September 23, 1877, aged 66 years, was announced.

A communication entitled: "Level Notes and Compass Courses of the Seaboard Pipe Line, from the mouth of Black Fox run, Clarion county, Pa., to Patapsco river, near Baltimore, Md. Lines run by O. Barrett, Jr., C. E. Western Division; B. F. Warren, C. E. Middle Division; J. B.

Haupt, C. E. Eastern Division; Gen. Hermann Haupt, Chief Engineer;" was received from Gen. Haupt.

In handing in this communication the Secretary explained the object of the survey, and the high value attaching to this the first accurately measured and leveled section across Pennsylvania and Maryland; the use it will be to the topographical and geological surveys of the State; and certain features both of resemblance and contrast which it presents to the long sections across the State prepared from less accurate data in 1841, and published in 1858.

Another communication on the same subject was received from Mr. O. Barrett, Jr., C. E., entitled: "A list of elevations above mean tide through the county of Indiana in Pennsylvania; from notes of survey under Gen. H. Haupt, for the Seaboard Pipe Line."

Pending nomination No. 839, and new nominations Nos. 840, 841, 842 were read.

The following Report of the Curators was read by Dr. Cresson:

"The Curators respectfully report in reference to the deposit in the Academy of Natural Sciences of the Stone-age Relics, received from Mrs. C. E. G. Peale, that they consider that for the present it will be a proper disposition of the collection. They recommend, that after proper assurance that the building of the A. N. S. is fire-proof, in accordance with the terms of the bequest, the transfer be made, subject to the usual agreement as to return upon demand. The following letter from Mr. Patterson, Executor, assures the Society that this proposition has his concurrence, and that they shall not be put to expense for making the transfer or setting up the relics in cases.

"PHILADELPHIA, October 2, 1877.

*Messrs. Tyndale and others, Curators of the A. P. S.*

*Gentlemen:*—Referring to the Proceedings of the Society on November 19, 1875, in reference to the bequest of Stone-age Relics made by Mrs. C. E. G. Peale, I ask your further consideration and that of the Society to providing a place of deposit for the collection where it may be open to the inspection of the public.

"Mrs. Peale's bequest is conditioned on the collection being lodged in a fire-proof building; and it now lies in the building of the Philadelphia Saving Fund Society, but is boxed up so as to be unavailable for examination. This disposal of the collection, while technically in compliance with

the Will, does not carry out what I know to have been the wishes of the testatrix. I would respectfully suggest that an arrangement could probably be made with the Academy of Natural Sciences to receive the collection as a deposit by the Society. If that can be done, I would cheerfully bear the necessary expense of making the transfer and setting the relics in the cases.

Yours respectfully,

ROBERT PATTERSON,

*Executor."*

On motion of Dr. Cresson, it was then

*Resolved*, That the Curators be directed to transfer the collection of Stone-age Relics, received from Mrs. C. E. G. Peale, to the custody of the Academy of Natural Sciences, in accordance with their recommendation of this date.

Dr. Rogers made an explanation in behalf the Coal Slack Premium Committee, stating that the absence of members of Committee during the summer holidays had made a full meeting of the Committee difficult to obtain; that consequently no action had been taken by the Committee on the Society's resolution of August 17, to advertise the Premium; that, nevertheless, Mr. Briggs, one of the Committee, had given extensive publicity to the intentions of the Society through his own private correspondence and by an article in the Iron Age, which he read; and he desired therefore to know whether further advertisement would be deemed necessary.

In the course of the debate which ensued, and at one stage of which Mr. Fraley left the chair for the purpose of participating in it, Mr. Price taking the chair for the rest of the evening, Mr. Briggs offered the following resolution:

*Resolved*, That the following advertisement be made public, signed by the Secretaries:

"Premium for the successful utilization of Anthracite Coal Dust.

"The American Philosophical Society of Philadelphia having voted to offer a premium of \$500 'for the successful utilization of anthracite coal dust, to be competed for under rules of the Society,' public notice is hereby given that applications for the premium will now be received, and that all such as may be presented within three months of the date of this advertisement will be considered as competing for the same.

"In considering the award for premium the Society will not only require, that the process presented shall successfully accomplish the result, but that

the utilization shall be shown to be advantageous and profitable in the general markets for anthracite coal, and shall have become a practical substitute for what is now considered merchantable anthracite.

"Where the claim for the premium is made upon any alleged invention or discovery, the priority or originality of such invention or discovery will be investigated, and no premium will be awarded except to the first inventor or discoverer; but when the claim is founded upon the successful introduction by the adaptation of known processes the award will be made to the person or persons who shall have effected the public use primarily and extensively.

"Any person may apply for this premium by letter addressed to the American Philosophical Society, and the primary application need only state the nature of the process, or ground of claim, and the address of the applicant.

"Such application will then be referred to a Committee of the Society before whom the full statement of the facts can be made, and by whom they will be considered and reported upon for action of the Society in making the award.

Dr. Rogers moved that all after the word "Resolved" be stricken out from Mr. Brigg's resolution, and the following be substituted:

*Resolved*, That no advertisement shall be made until a basis be determined by the Society on which its award of premium shall be made.

Pending debate on which, both resolutions were withdrawn by the movers, and Mr. Fraley offered the following resolution, which was accepted by Mr. Briggs and Dr. Rogers as a substitute for their own respectively, and was passed:

*Resolved*, That the Secretaries of the Society be requested to prepare and submit to the Society at the next stated meeting a form of advertisement for applications for the premium on "Any successful process by which the Anthracite Coal-dust may be economically utilized." (See Proc. A. P. S., Vol. x. p. 278.)

And the meeting was adjourned.

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*Stated Meeting, October 19th, 1877.*

Present, 12 members.

Vice-President, Mr. PRICE, in the Chair.

A photograph of M. Mariano Barcena was received for the Album.

Letters of acknowledgment were received from the